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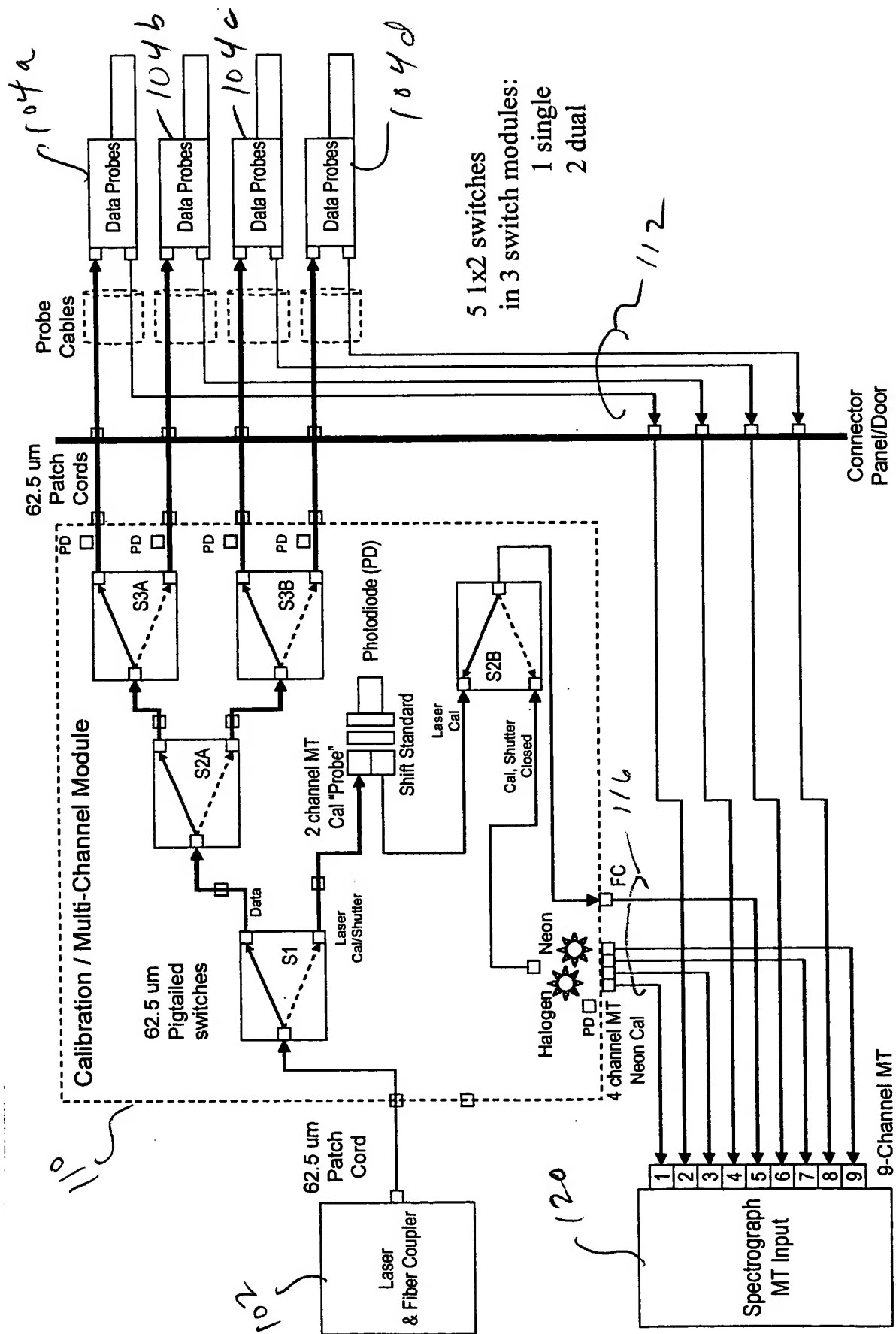
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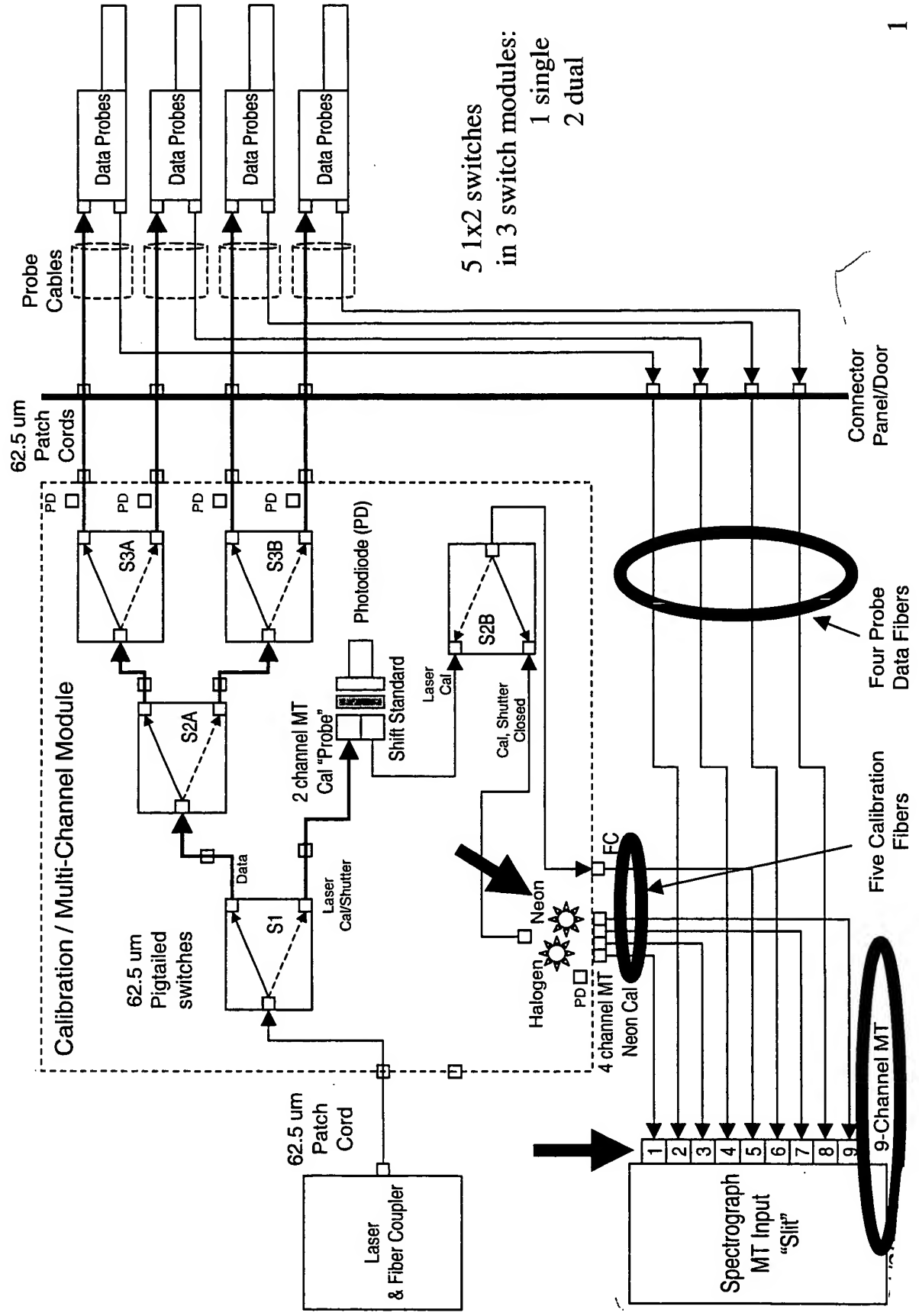
5 1x2 switches
in 3 switch modules:
1 single
2 dual

Fig-1

	Neon
Data	
	Neon
Data	
	Neon + Shifted Laser Cal
Data	
	Neon
Data	
	Neon

Fig-2

Interleaved Probe Data and Neon Calibration Data (Fig.3)



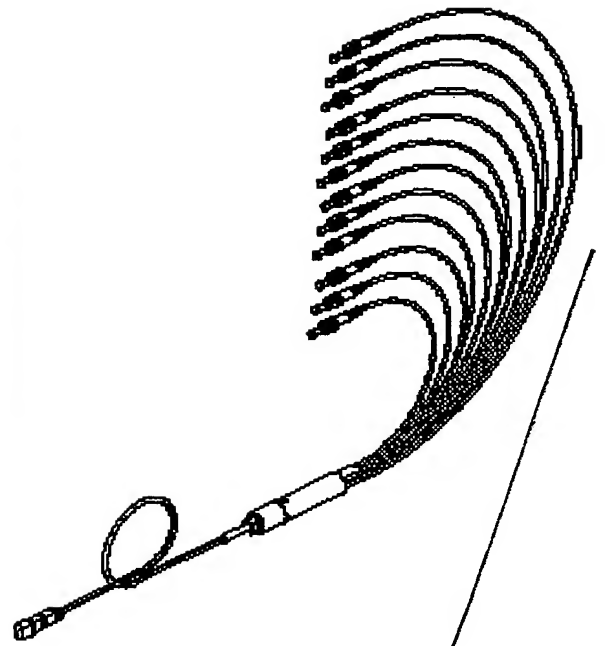
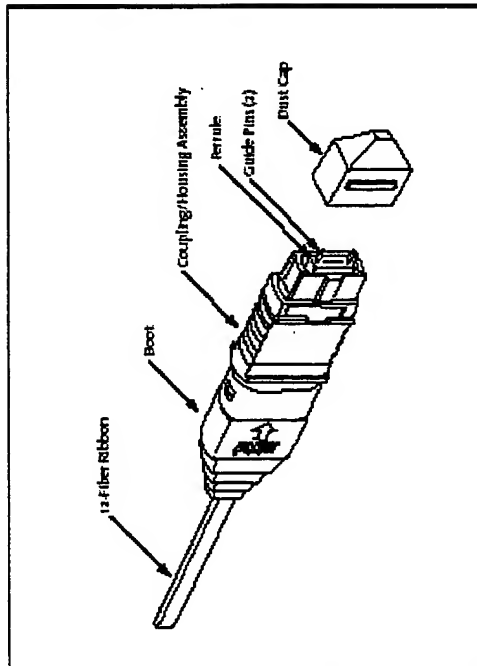
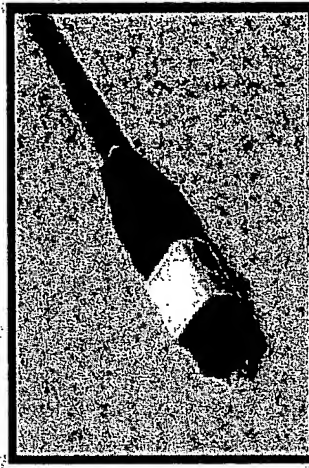


Fig - 4

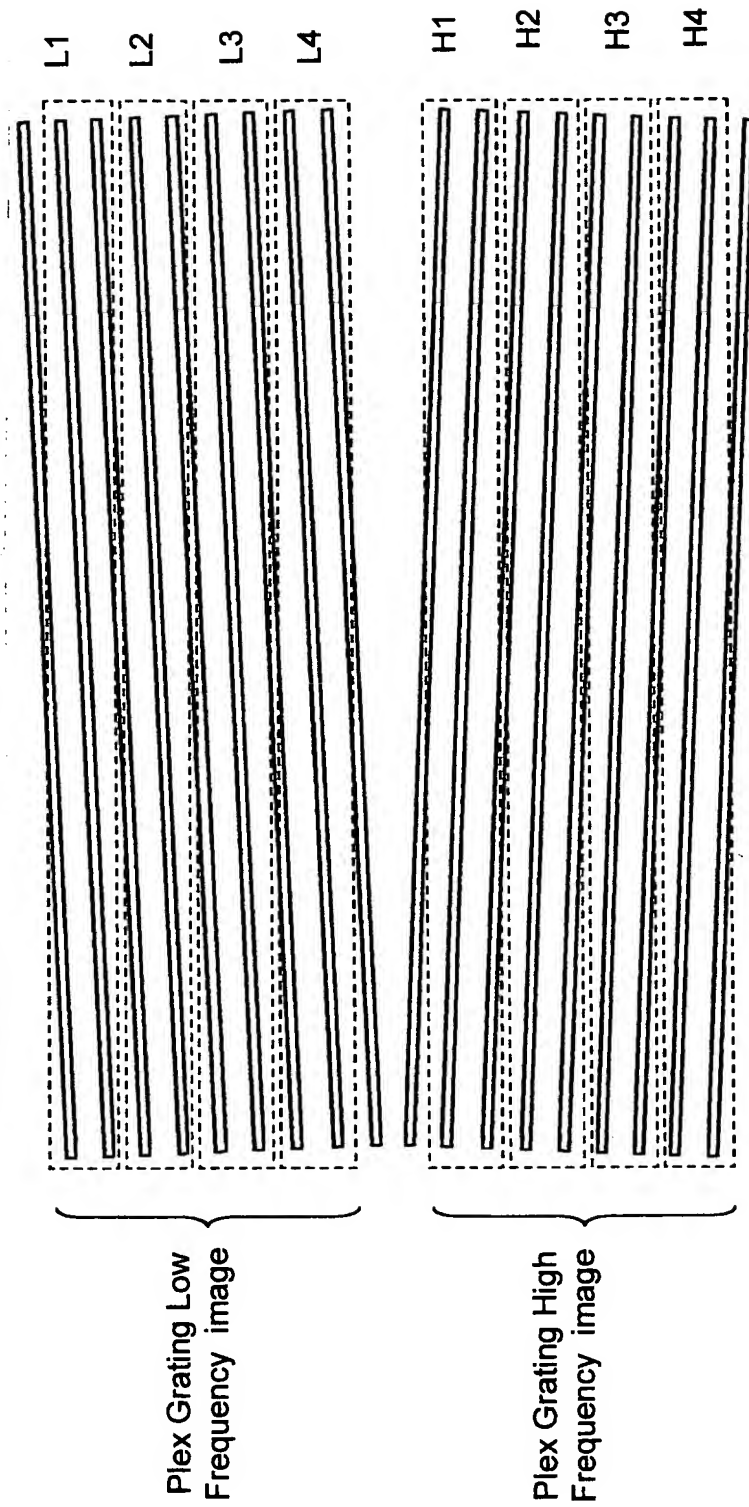
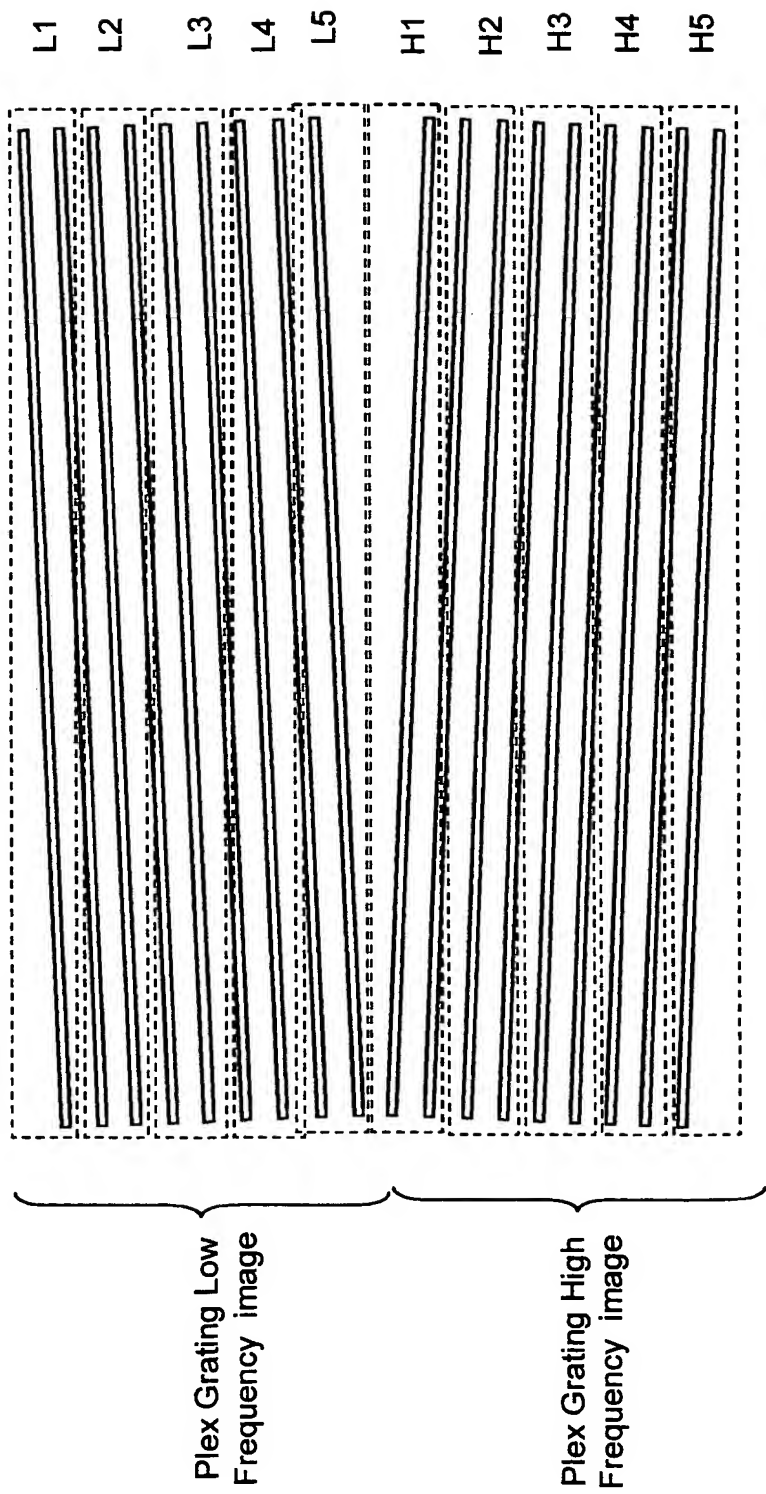
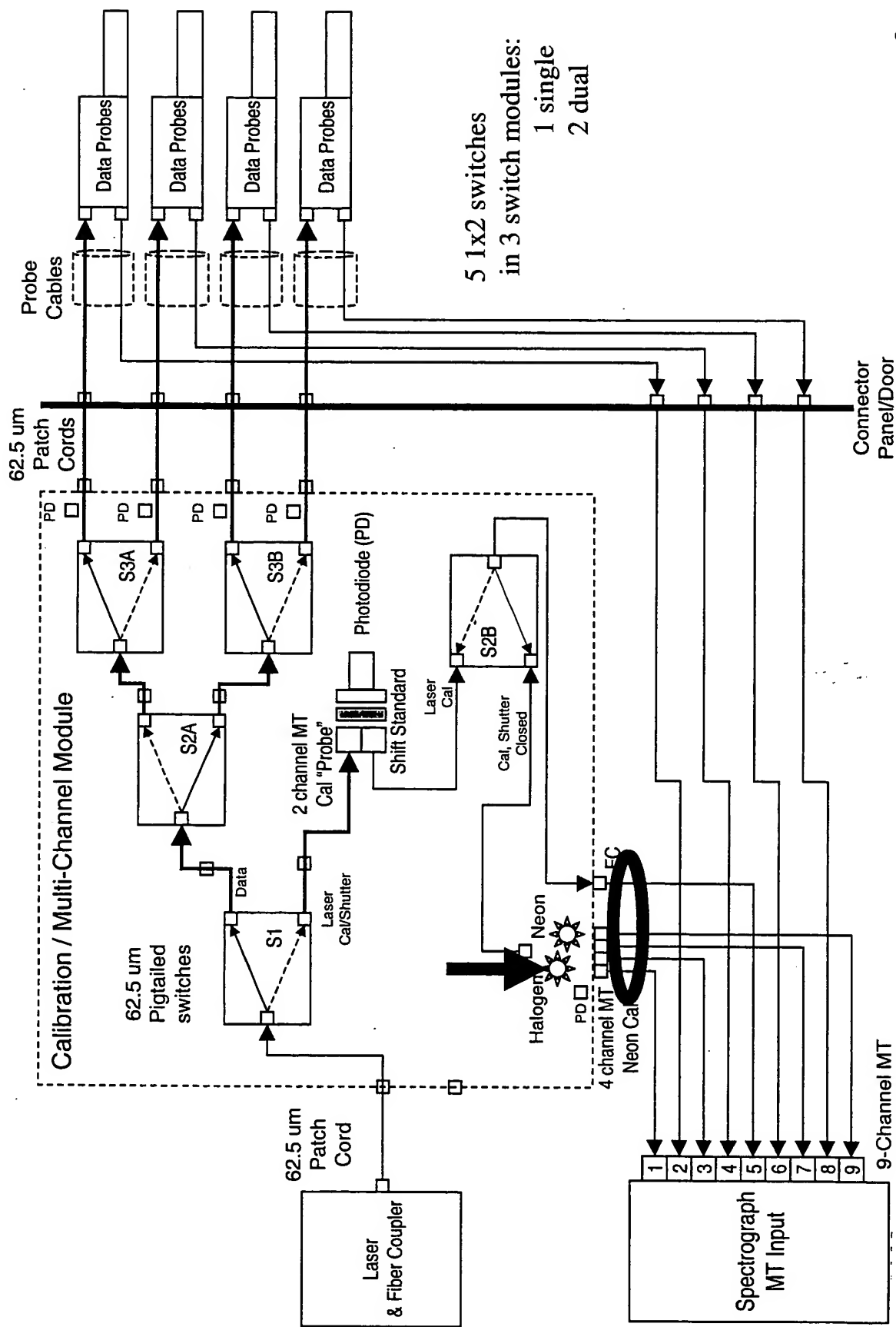


Fig-5



F-127-6

Broadband Halogen Source for CCD Auto-Binning (Fig. 7)



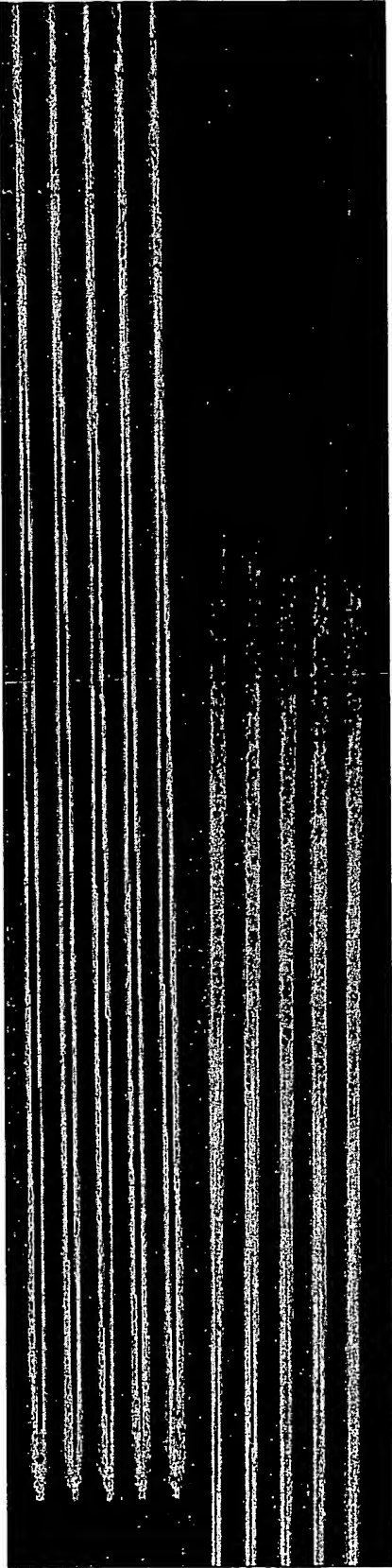


Fig-8A

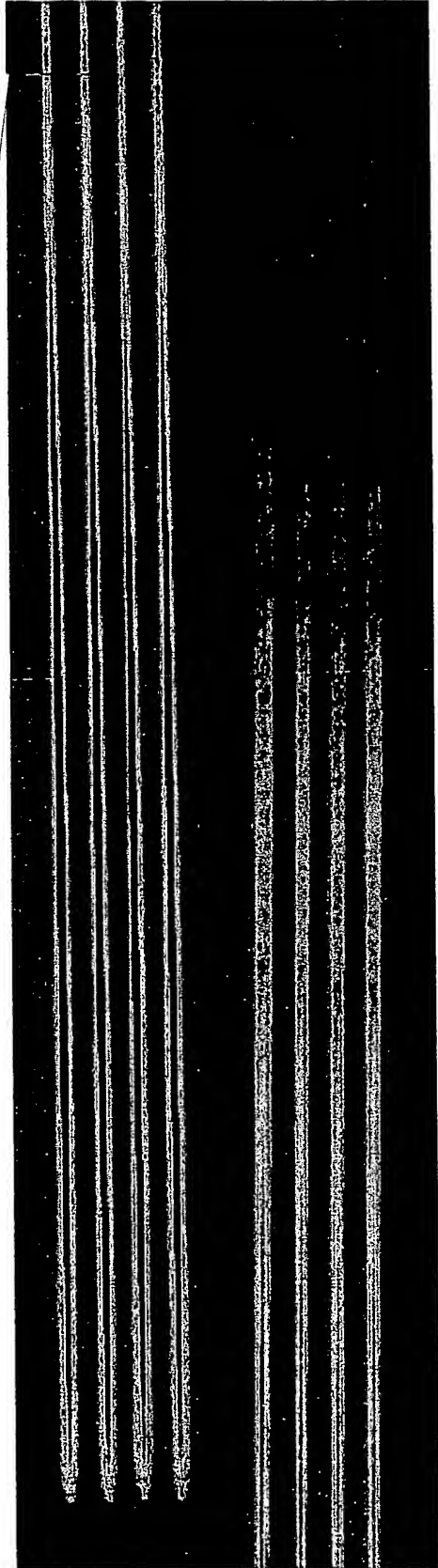
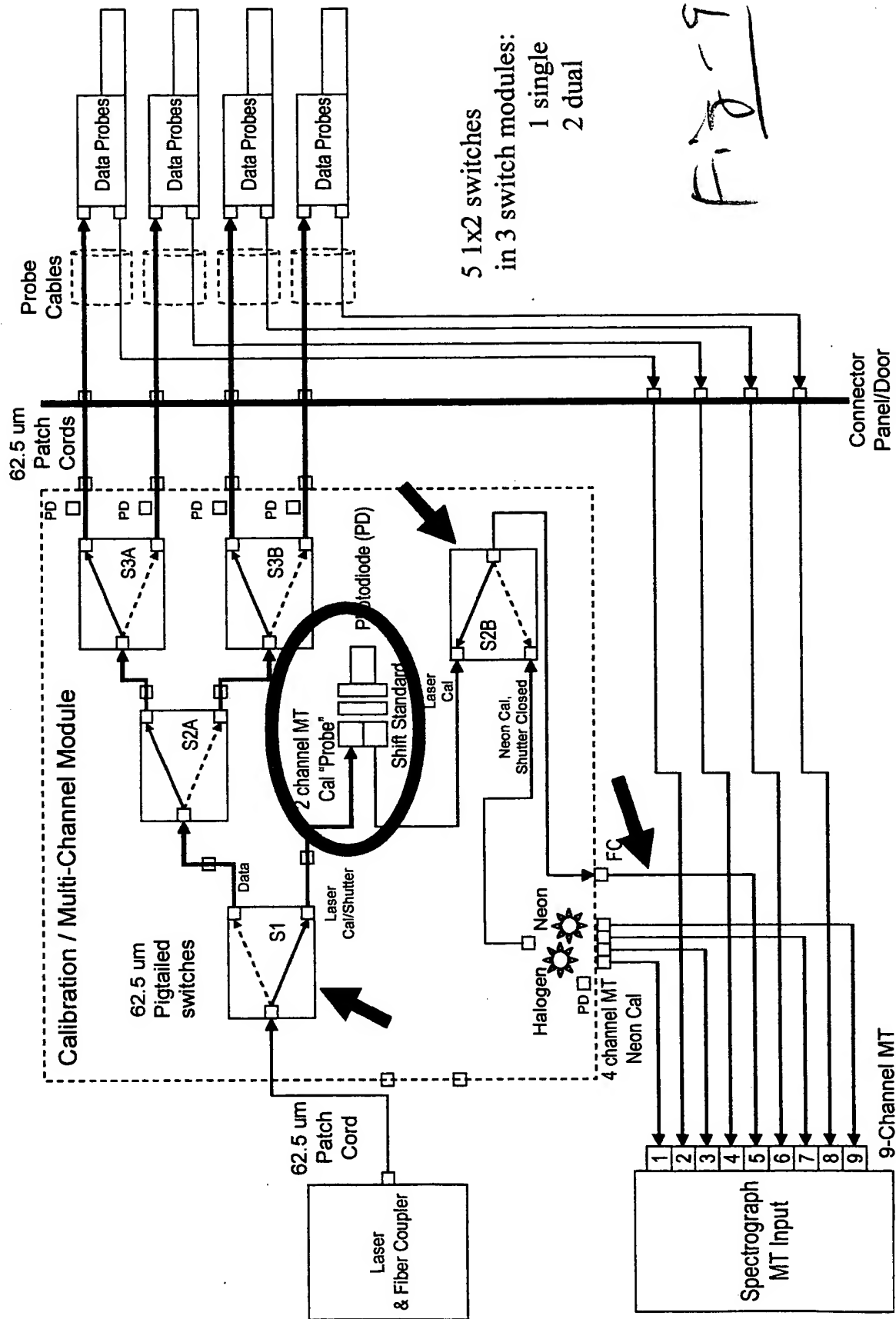


Fig 8B



CVD Diamond Samples vs. Neon Spectra (Figure 10)

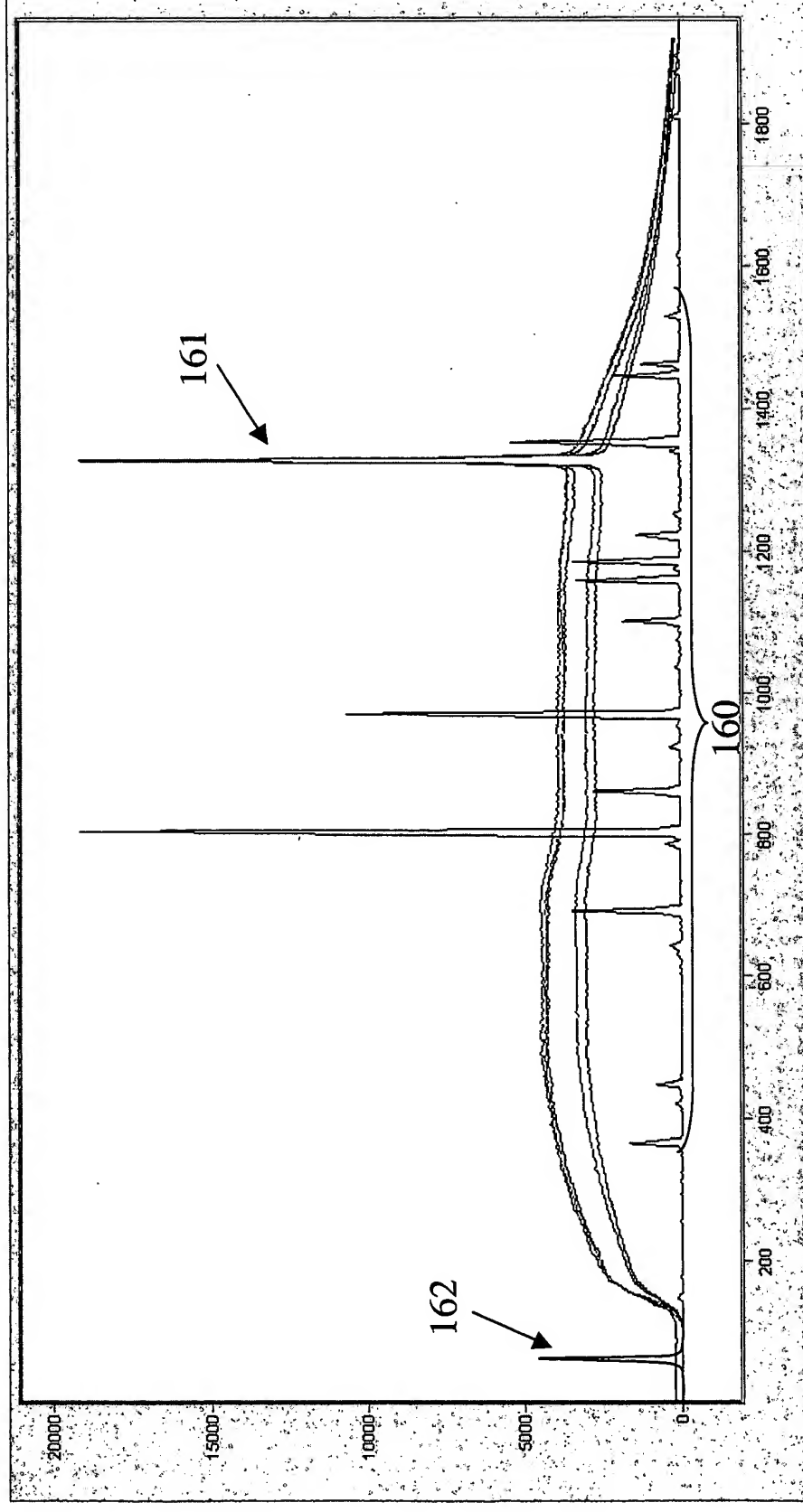
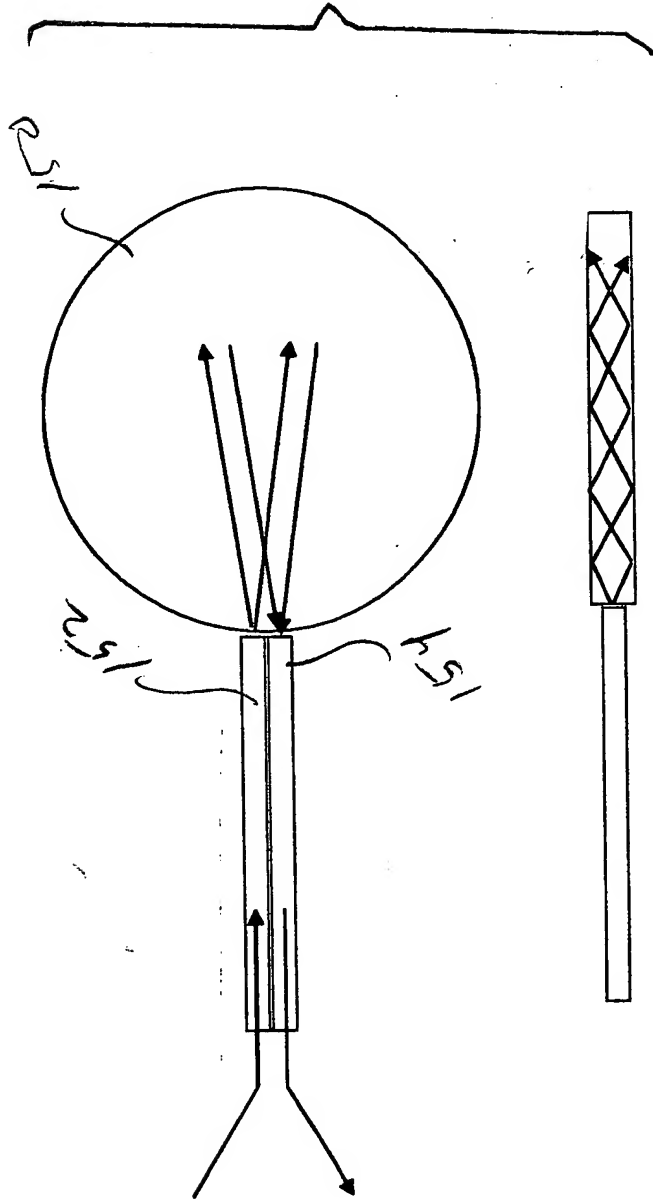


Fig - 11



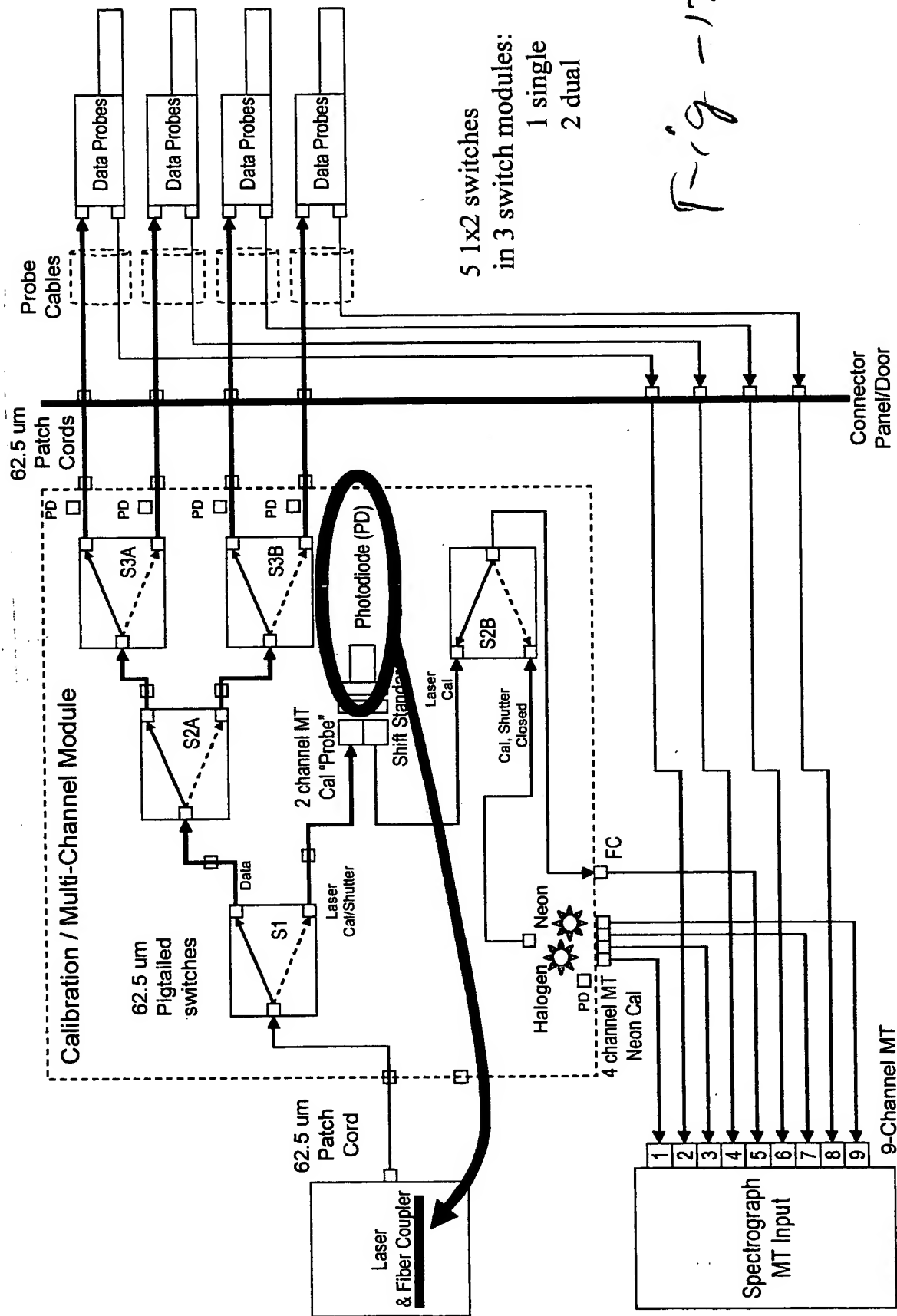


Fig-12

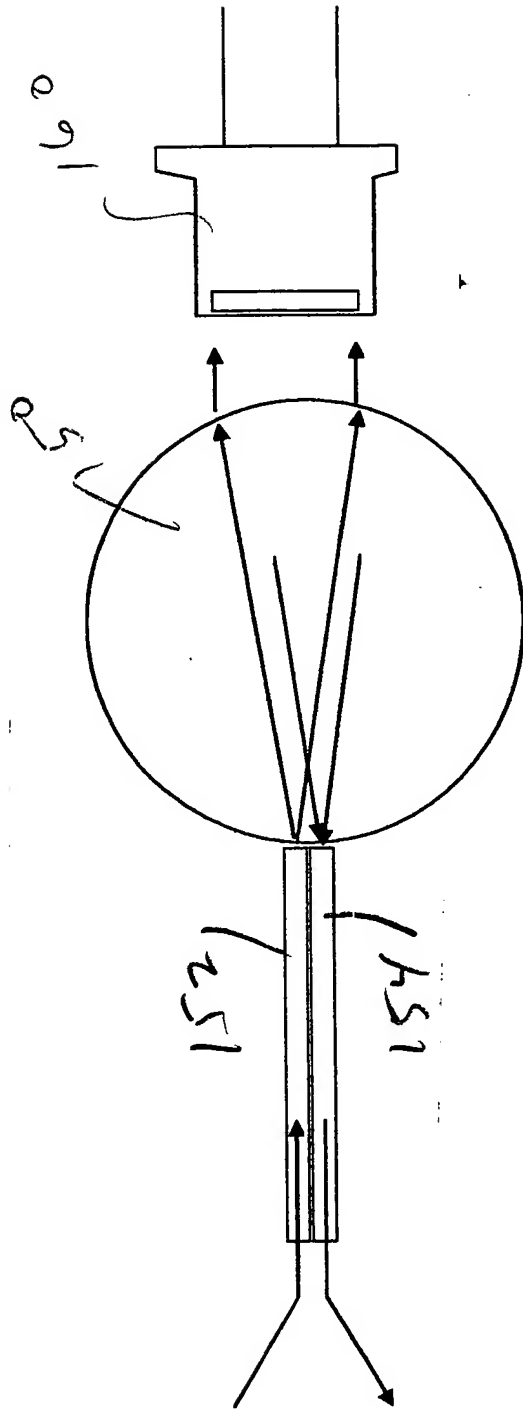


Fig-13

Schematic of IS Interlock

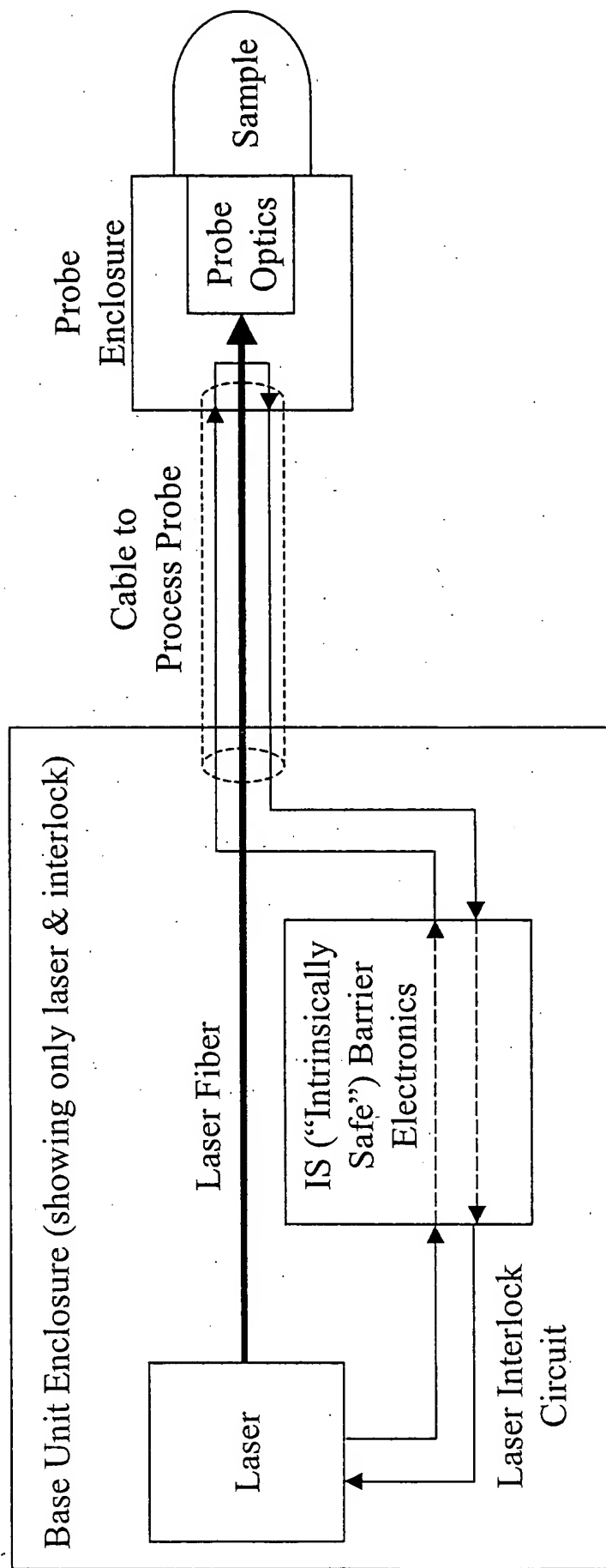


Fig-14A

Schematic of IS Interlock Driving Probe Head "Laser Emission" Indicator

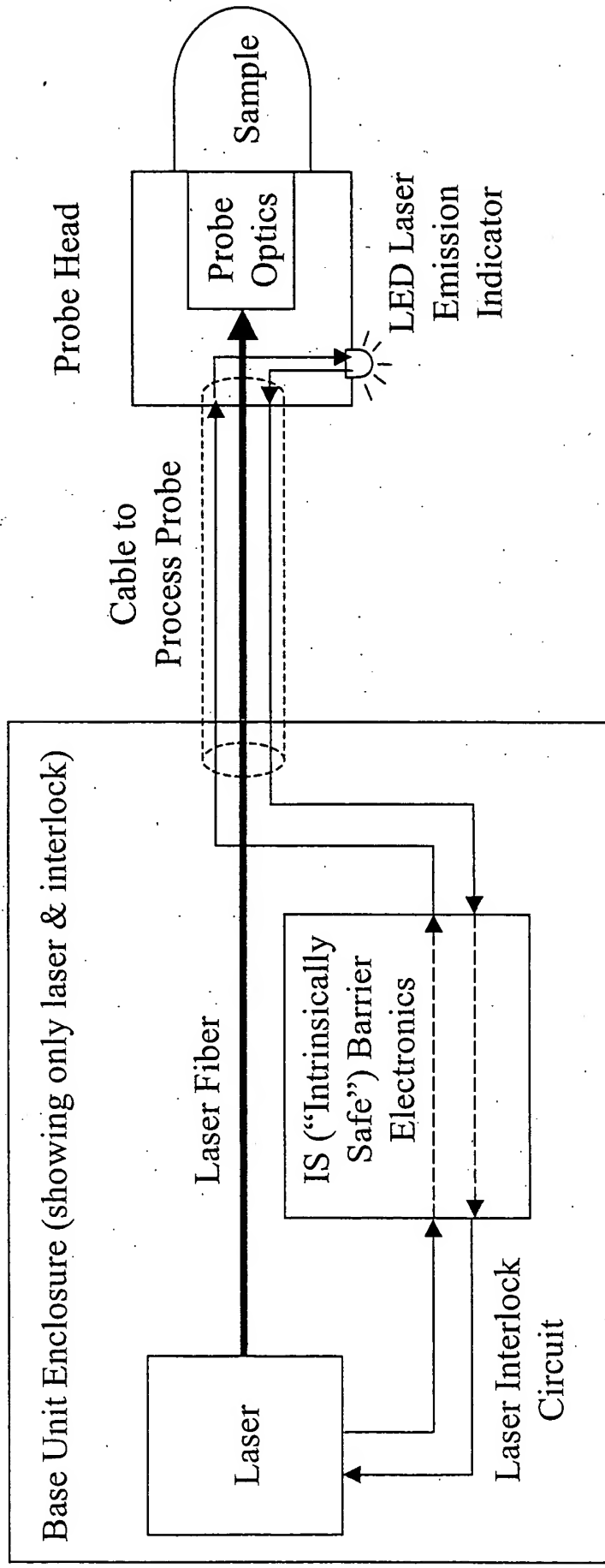
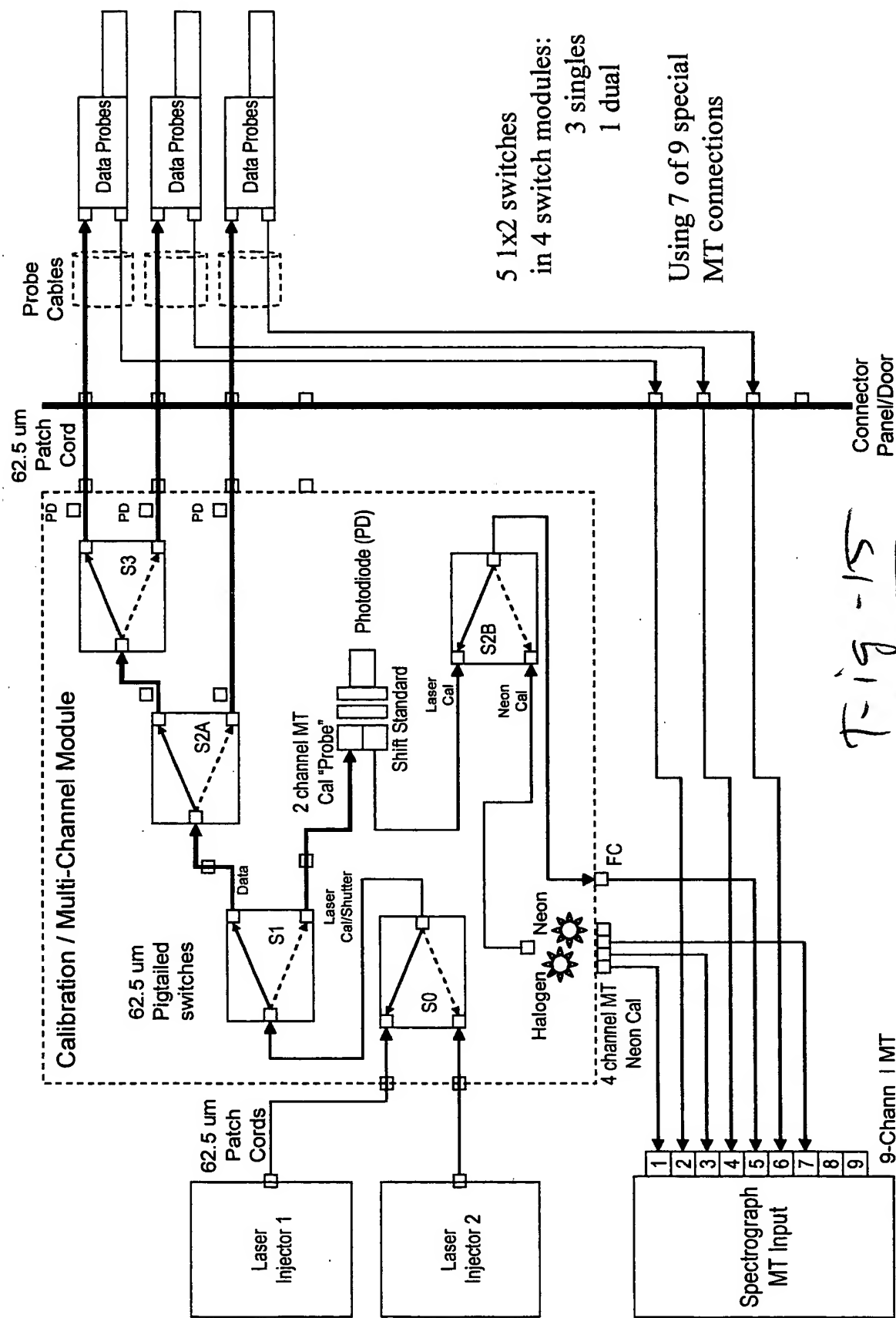
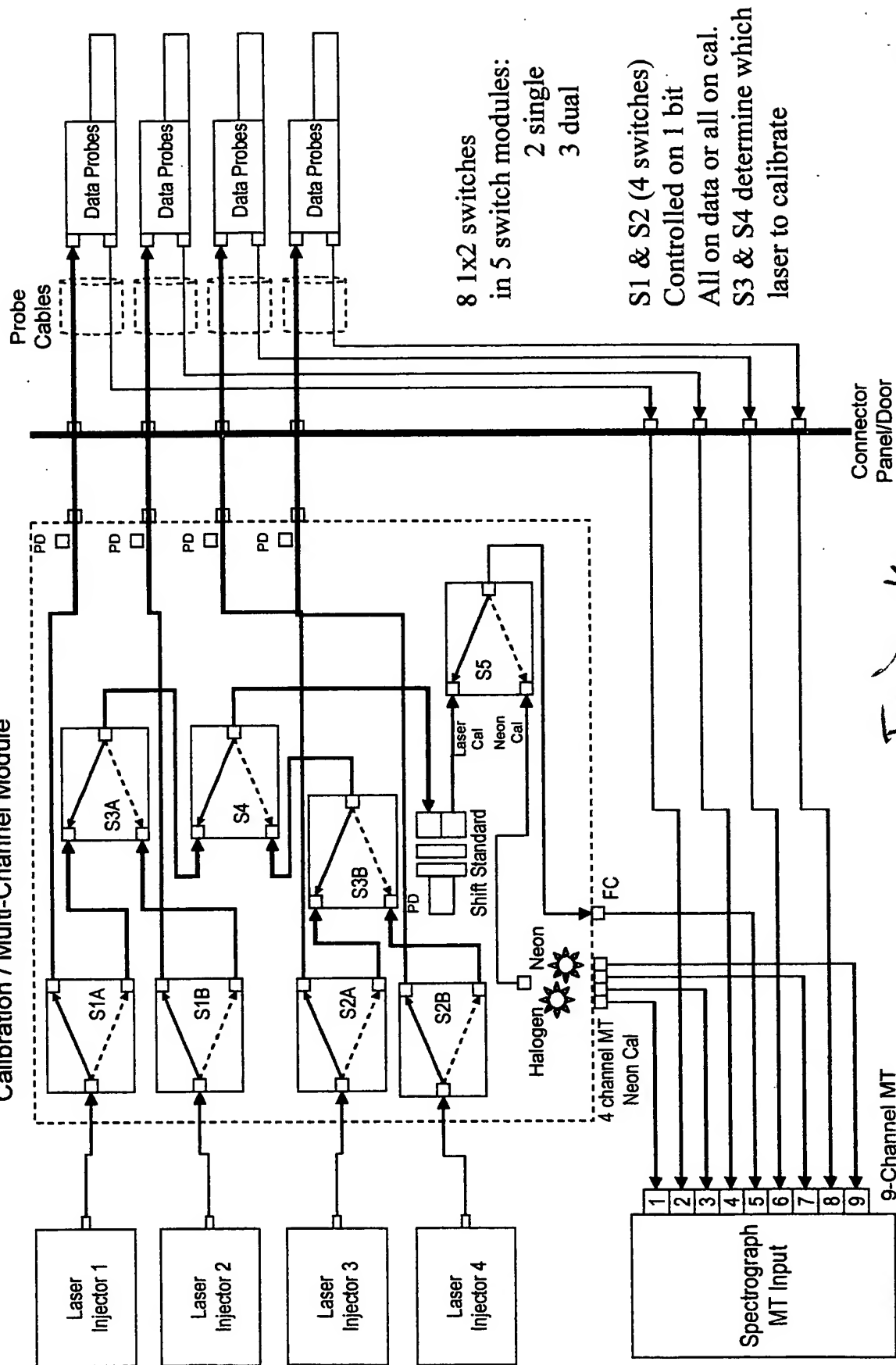


Fig-14B



Calibration / Multi-Channel Module



8 1x2 switches
in 5 switch modules:
2 single
3 dual

S1 & S2 (4 switches)
Controlled on 1 bit
All on data or all on cal.
S3 & S4 determine which
laser to calibrate

Fig-16

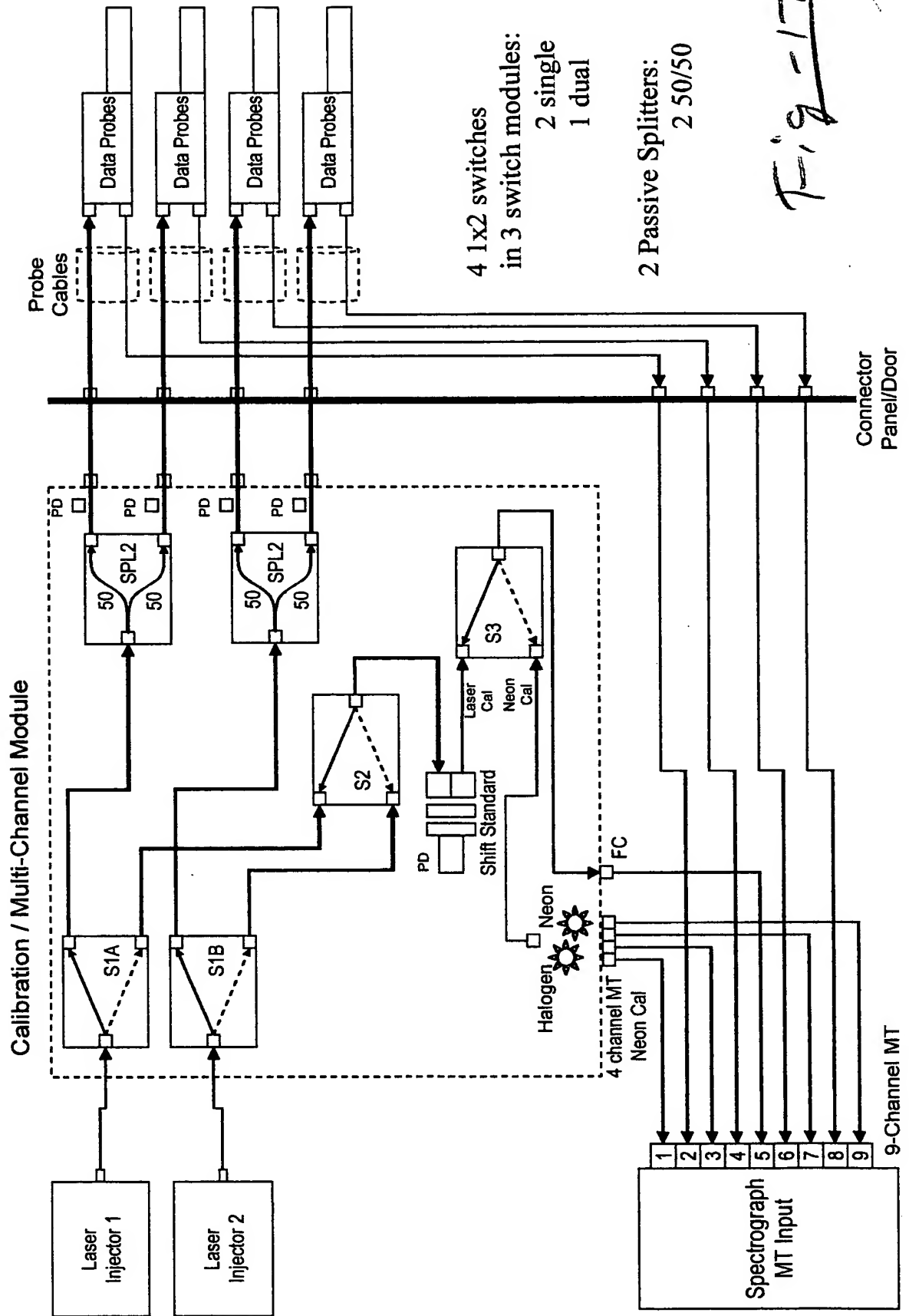


Fig-17

Switched Collection as well as excitation paths (Fig. 18)

